

Title (en)

Navigation system, location search method and computer program therefor

Title (de)

Navigationssystem, Positionssuchverfahren und Computerprogramm für das Verfahren

Title (fr)

Système de navigation, procédé de recherche de position et logiciel pour le procédé

Publication

EP 1491860 A3 20061102 (EN)

Application

EP 04014714 A 20040623

Priority

JP 2003180146 A 20030624

Abstract (en)

[origin: EP1491860A2] A navigation apparatus (14) includes a current position detector (15) that detects a current position and at least one controller (17). The at least one controller determines the administrative district where the current position is located, searches for at least one facility within each of a plurality of administrative districts that are substantially adjacent to the administrative district where the current position is located, and assigns each adjacent administrative district to a selection area (fj) on a search screen based on the direction from the current position to each facility within the plurality of adjacent administrative districts. A touch screen having buttons (k1-9; k11-19) may be formed to represent the positional relationships between the current position and the adjacent administrative districts and enable the user to easily input commands for searching desired destination locations.

[origin: EP1491860A2] The apparatus has a processor (17) to identify in which administrative district the apparatus is located based on a current position of the apparatus. The processor searches for a landmark located in districts that are adjacent to the administrative district. The processor assigns each adjacent district to a selection area on a search screen based on the direction of the apparatus motion from the current position. Independent claims are also included for the following: (a) a method for searching a location (b) a computer program comprising code for searching a location.

IPC 8 full level

G01C 21/36 (2006.01); **G09B 29/00** (2006.01); **G01C 21/00** (2006.01); **G08G 1/0969** (2006.01); **G09B 29/10** (2006.01)

CPC (source: EP US)

G01C 21/3632 (2013.01 - EP US); **G01C 21/3644** (2013.01 - EP US)

Citation (search report)

- [X] DE 19929425 A1 20001228 - BOSCH GMBH ROBERT [DE]
- [A] US 2002133289 A1 20020919 - MIYAKI KEN [US]
- [A] WO 0188687 A2 20011122 - NOKIA CORP [FI], et al
- [X] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06 31 July 1995 (1995-07-31)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1491860 A2 20041229; **EP 1491860 A3 20061102**; CN 1576794 A 20050209; JP 2005017042 A 20050120; JP 3969356 B2 20070905; US 2004267448 A1 20041230

DOCDB simple family (application)

EP 04014714 A 20040623; CN 200410059865 A 20040624; JP 2003180146 A 20030624; US 85806304 A 20040602